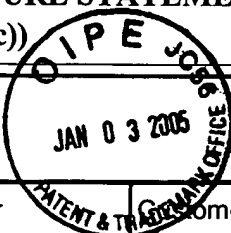


01-04-05

15W 2171 \$

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))				<b>Docket No.</b> 15689.58	
In Re Application Of: Keizaburo Sasaki et al.					
<b>Application No.</b> 09/667,084	<b>Filing Date</b> September 21, 2000	<b>Examiner</b> Not Yet Assigned	<b>Customer No.</b> 022913	<b>Group Art Unit</b> 2171	<b>Confirmation No.</b> -
<b>Title: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY</b>					
<p>Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p><b>37 CFR 1.97(b)</b></p> <p>1. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p><b>37 CFR 1.97(c)</b></p> <p>2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <p><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <p><b>OR</b></p> <p><input checked="" type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p>					

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 15689.58	
In Re Application: <b>Keizaburo Sasaki et al.</b>						
Application No. <b>09/667,084</b>	Filing Date <b>September 21, 2000</b>	Examiner <b>Not Yet Assigned</b>	Inventor No. <b>022913</b>	Group Art Unit <b>2171</b>	Confirmation No.	
Title: <b>DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY</b>						



**Payment of Fee**  
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

☐ A check in the amount of \_\_\_\_\_ is attached.  
☒ The Director is hereby authorized to charge and credit Deposit Account No.    **23-3178**  
    as described below.
 

☐ Charge the amount of \_\_\_\_\_  
☒ Credit any overpayment.  
☒ Charge any additional fee required.

☒ Payment by credit card. Form PTO-2038 is attached.  
**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

\_\_\_\_\_  
 (Date)

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Typed or Printed Name of Person Signing Certificate

**Certificate of Mailing by First Class Mail**


I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on \_\_\_\_\_

\_\_\_\_\_  
 (Date)

\_\_\_\_\_  
 Signature of Person Mailing Correspondence

\_\_\_\_\_  
 Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.



\_\_\_\_\_  
Signature

**ADRIAN J. LEE**  
Attorney for Applicant  
Reg. No.: 42,785

Dated:    January **3**, 2005

CC:

P10A/REV05

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Keizaburo Sasaki et al.

Docket No.

15689.58

Application No.

09/667,084

Filing Date

September 21, 2000

Examiner

Not Yet Assigned

Customer No.

022913

Group Art Unit

2171

Invention: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY AND COMMUNICATION APPARATUS

JAN 03 2005

PATENT &amp; TRADEMARK OFFICE

I hereby certify that the following correspondence:

(see below)

(Identify type of correspondence)

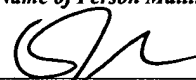
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

January 3, 2005

(Date)

ADRIAN J. LEE

(Typed or Printed Name of Person Mailing Correspondence)



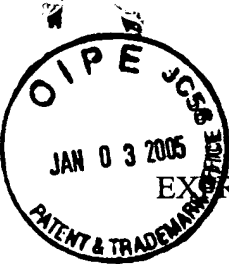
(Signature of Person Mailing Correspondence)

EV 565664365 US

("Express Mail" Mailing Label Number)

**Note: Each paper must have its own certificate of mailing.**

Transmittal for Information Disclosure Statement (2 pages; duplicate);  
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);  
Form PTO-1449 Listing of References (1 page);  
PTO 2038 Credit Card form \$180.00  
Legible Copy of References; (2 references)  
Certificate of Express Mail (EV565664365US);  
Acknowledgment Postcard



EXPRESS MAIL NO. EV 565664365 US

PATENT APPLICATION  
Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)	
		)	
	Keizaburo Sasaki et al.	)	
		)	
Serial No.:	09/667,084	)	Art Unit
		)	2171
		)	
Filed:	September 21, 2000	)	
		)	
For:	DATA CONVERSION APPARATUS, SIGNAL,	)	
	DATA CONVERSION METHOD, DCE,	)	
	GATEWAY AND COMMUNICATION	)	
	APPARATUS	)	
		)	
Customer No.:	022913	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(a)(3), the following concise explanation of the relevance of each listed reference that is not in the English language and unaccompanied by a translation into English is provided. The concise explanation for Japanese Publication No.: 2000-209920 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 10-023003 is provided in the English abstract of that publication

((Promptness Certification or Submission Fee)  
Under 37 C.F.R. § 1.97(c))

In accordance with 37 C.F.R. § 1.97(c), a PTO Credit Card form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED January 3, 2005.

Respectfully submitted,



Adrian J. Lee  
Attorney for Applicant  
Registration No. 42,785  
Customer No. 022913

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>15689.58</b>		Application Number <b>09/667,084</b>	
				Applicant(s) <b>Keizaburo et al.</b>			
				Filing Date <b>September 21, 2000</b>		Group Art Unit <b>2171</b>	

O I P E  
 JAN 03 2005  
 TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	1	10-023003	1/23/1998	Japan	H04L12	02	✓	
	2	2000-209920	8/2/2000	Japan	A01D25	04	✓	

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.